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**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 84

| Complete if Known      |                    |
|------------------------|--------------------|
| Application Number     | 09/546,986         |
| Filing Date            | April 11, 2000     |
| First Named Inventor   | Powers, Scott      |
| Group Art Unit         | 1646               |
| Examiner Name          | Mertz, Prema Maria |
| Attorney Docket Number | 018781-004720US    |

## **U.S. PATENT DOCUMENTS**

| U.S. PATENT DOCUMENTS |                       |                      |                                      |   |   |  |
|-----------------------|-----------------------|----------------------|--------------------------------------|---|---|--|
| Examiner Initials *   | Cite No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                       |                       | Number               | Kind Code <sup>2</sup><br>(if known) |   |   |  |
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## **FOREIGN PATENT DOCUMENTS**

**Examiner  
Signature**

**Date  
Considered**

4/10/05

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

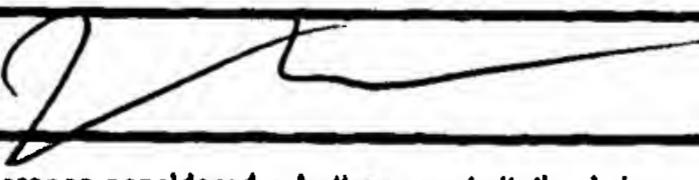
(use as many sheets as necessary)

Sheet **2** of **24**

| Complete If Known      |                    |
|------------------------|--------------------|
| Application Number     | 09/546,986         |
| Filing Date            | April 11, 2000     |
| First Named Inventor   | Powers, Scott      |
| Group Art Unit         | 1646               |
| Examiner Name          | Mertz, Prema Maria |
| Attorney Docket Number | 018781-004720US    |

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---------------------|-----------------------|---|----------------|
| ✓                   | C1                    | Birren, B. et al. "Homo sapiens chromosome 18, clone RP11-482N10" DATABASE GENEMBL (Online) Accession AC023386, nucleotides 98850-993300 and nucleotides 75400-76070.   |                |
| ✓                   | C2                    | Buck, et al. "A Novel Multigene Family May Encode Odorant Receptors: A Molecular Basis for Odor Recognition" Cell (April 1991) Vol. 65, pp. 175-187.  |                |
| ✓                   | C3                    | Carmeci, et al. "Identification of a Gene (GPR30) with Homology to the G-Protein-Coupled Receptor Superfamily Associated with Estrogen Receptor Expression in Breast Cancer" Genomics (November 1997) Vol. 45(3); pp. 607-617.                                  |                |
| ✓                   | C4                    | Drutel, G. et al. "Cloning of OL1, A Putative Olfactory Receptor and Its Expression in the Developing Rat Heart" Receptors and Channels (1995) Vo. 3, pp. 33-40.  |                |
| ✓                   | C5                    | Mikayama, et al. "Molecular Cloning and Functional Expression of a cDNA Encoding Glycosylation-inhibition Factor" Proc. Natl. Acad. Sci USA (November 1993) Vol. 90, pp. 10056-10060.   |                |
| ✓                   | C6                    | Nef, et al. "Spatial Pattern of Receptor Expression in the Olfactory Epithelium" Proc. of Nat. Acad. Sci. USA (October 1992) Vol. 89; pp. 8948-8952.  |                |
| ✓                   | C7                    | Voet, et al. "Sickle-Cell Anemia: The Influence of Natural Selection" Biochemistry, 10th Ed. published by John Wiley & Sons, Inc. (1990), pp. 228-234.  |                |
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| Examiner Signature |  | Date Considered | 4/29/05 |
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| Substitute for form 1449A/PTO                            |    | Complete if Known    |                        |                 |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |    | Application Number   | 09/546,986             |                 |
| (use as many sheets as necessary)                        |    | Filing Date          | April 11, 2000         |                 |
|  |    | First Named Inventor | Powers, Scott          |                 |
|  |    | Group Art Unit       | 1646                   |                 |
|  |    | Examiner Name        | Prema Mertz, Ph.D.     |                 |
| Sheet  | 13 | of 14                | Attorney Docket Number | 018781-004720US |

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

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|--------------------|--|-----------------|---------|
| Examiner Signature |  | Date Considered | 4-20-08 |
|--------------------|--|-----------------|---------|

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| FORM PTO-1449 (Modified)<br>LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT (Use several sheets if necessary) |  | Attorney Docket No.: 018781-004720US |         | Application No.: 09/546,986 |           |                                 |
|---|--|--------------------------------------|---------|-----------------------------|-----------|---------------------------------|
|   |  | Applicant: Scott Powers, et al.      |         |                             |           |                                 |
|   |  | Filing Date: April 11, 2000          |         | Group: 1614                 |           |                                 |
| Reference Designation   |  | U.S. PATENT DOCUMENTS                |         |                             |           | Page 1                          |
| Examiner Initial  | Document No.   | Date                                 | Name    | Class                       | Sub-class | Filing Date<br>(If Appropriate) |
|   |  |                                      |         |                             |           |                                 |
| FOREIGN PATENT DOCUMENTS  |  |                                      |         |                             |           |                                 |
|   | Document No.   | Date                                 | Country | Class                       | Sub-class | Translation<br>(Yes/No)         |
|   |  |                                      |         |                             |           |                                 |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)  |  |                                      |         |                             |           |                                 |
| AA  | Buck, et al. "A Novel Multigene Family May Encode Odorant Receptors: A Molecular Basis for Odor Recognition"; Cell, Vol. 65, 175-187, April, 1991. |                                      |         |                             |           |                                 |
| EXAMINER  | DATE CONSIDERED 7/20/00  |                                      |         |                             |           |                                 |

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